INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/24070

A. CLASSIFICATION OF SUBJECT MATTER IPC: A61C 15/00(2006.01)					
USPC: 433/216 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELI	DS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 433/216,215,89,80,90					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCI	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
Х	US 2001/0046655 A1 (YARBOROUGH) 29 Novem	ber 2001 (29.11.2001), see entire	1-30,61-71		
Y	document.		31-60,72-78		
X	US 5,829,976 A (GREEN) 03 November 1998 (03.1	1.1998), see entire document.	79,82-84,86		
Y		•	53-60,80,81,87-101		
x	US 1,362,937 A (GRACE) 21 December 1920 (21.12.1920), see entire document.		79,82,83,85		
Y			53-60,80,81,87-101		
Y	US 2002/0187108 A1 (RAJAIAH et al.) 12 Decembe document.	er 2002 (12.12.2002), see entire	31-60		
Further documents are listed in the continuation of Box C. See patent family annex.					
Special categories of cited documents: "T" later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention					
•	particular relevance "X" document of particular relevance; the claimed invention cannot be "E" carlier application or patent published on or after the international filing date "e" carlier application or patent published on or after the international filing date "onsidered novel or cannot be considered to involve an inventive step when the document is taken alone				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being			
"O" document	referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art			
	published prior to the international filing date but later than the te claimed	"&" document member of the same patent far			
Date of the actual completion of the international search Date of mailing of the international search report					
	06 (23.08.2006)	27 SEP 200	0		
Mail Com P.O.	iling address of the ISA/US I Stop PCT, Attn: ISA/US missioner for Patents Box 1450 tandria, Virginia 22313-1450	Authorized officer Melba Burngamer Telephone No. 571-272-3700			
Facsimile No. (571) 273-3201					

Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No. PCT/US04/24070

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	US 6,368,576 B1 (JENSEN et al.) 09 April 2002 (09.04.2002), see entire document.	48-52,72-78,80,81,8
Y	US 6,083,489 A (FISCHER et al.) 04 July 2000 (04.04.2000), see entire document.	101 93-96,98
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Box No. II	o. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet -				
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.			
2.	As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.			
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on	Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.			
	The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.			
	No protest accompanied the payment of additional search fees.			

Form PCT/ISA/210 (continuation of first sheet(2)) (April 2005)

International application No. INTERNATIONAL SEARCH REPORT PCT/US04/24070 BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid. Group I, claim(s) 1-61,99-101, drawn to a method of whitening teeth. Group II, claim(s) 62-78,98, drawn to a liquid oral therapeutic dental composition. Group III, claim(s) 79-97, drawn to a therapeutic dental delivery device. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of the Group I invention is the particular second tooth whitening composition claimed therein while the special technical feature of the Group II invention is the particular moisture responsive gel carrier claimed therein. Since the special technical feature of the Group I invention is not present in the Group II invention being claimed and the special technical feature of the Group II invention is not present in the Group I invention being claimed, unity of invention is lacking. The inventions listed as Groups I and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of the Group I invention is the particular second tooth whitening composition claimed therein while the special technical feature of the Group III invention is the particular applicator claimed therein. Since the special technical feature of the Group I invention is not present in the Group III invention being claimed and the special technical feature of the Group III invention is not present in the Group I invention being claimed, unity of invention is lacking. The inventions listed as Groups II and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of the Group II invention is the particular moisture responsive gel carrier claimed therein while the special technical feature of the Group III invention is the particular applicator claimed therein. Since the special technical feature of the Group II invention is not present in the Group III invention being claimed and the special technical feature of the Group III invention is not present in the Group II invention being claimed, unity of invention is lacking.